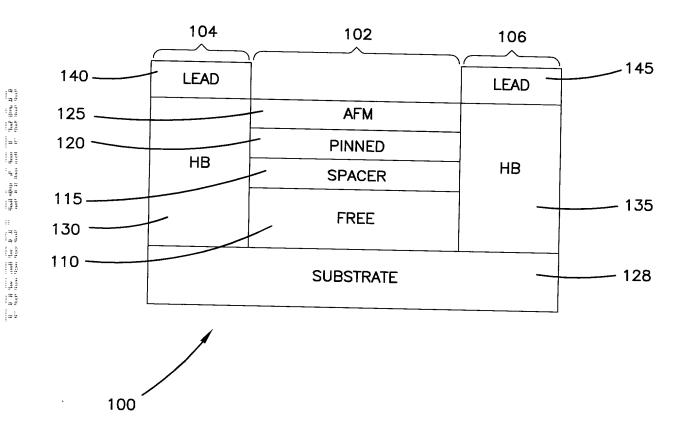
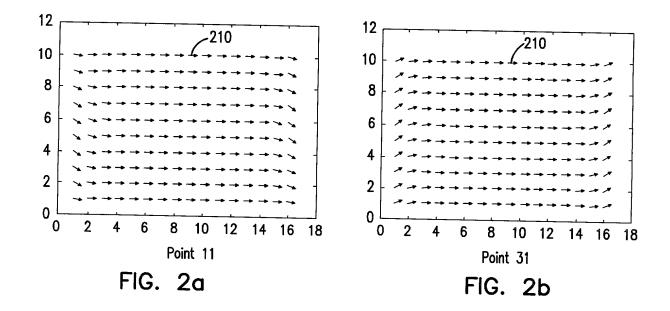
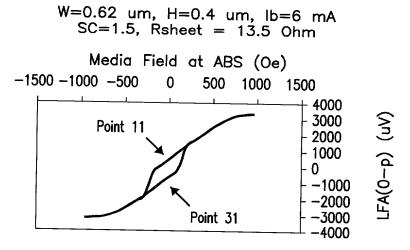
FIG. 1

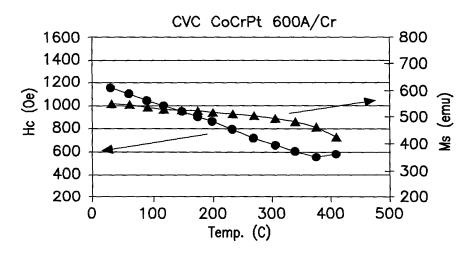






Micromagnetic calculation of the free layer magnetics with different free layer edge states due to the poor PM stabilization.

FIG. 3



Temperature dependence of a typical PM hard bias layer

FIG. 4

H. H. Tangara, and the H. H. Walley of the Control of the Heart of the

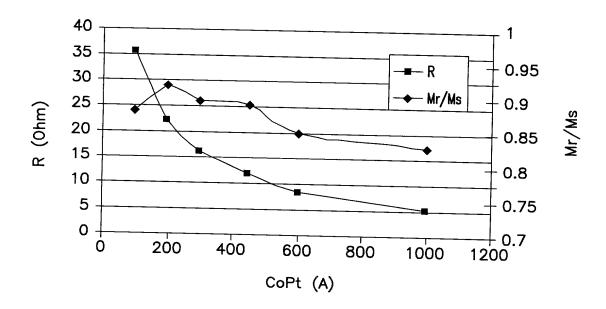


FIG. 5

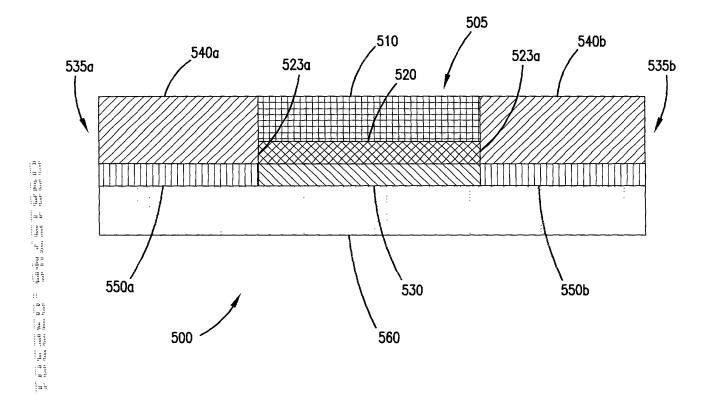


FIG. 6

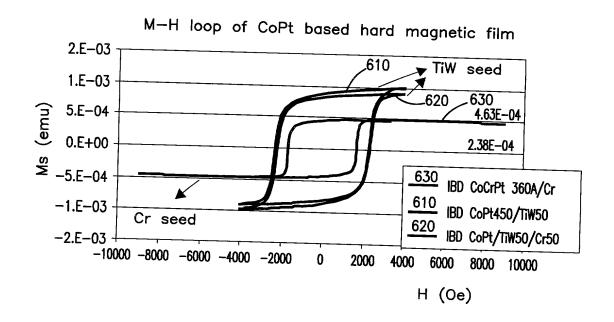
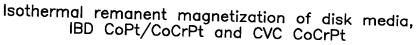
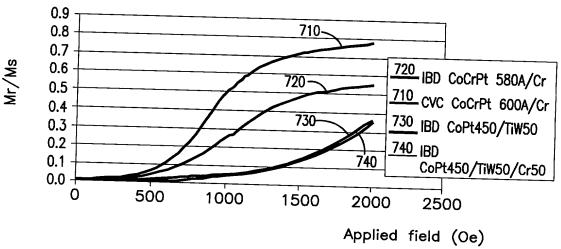
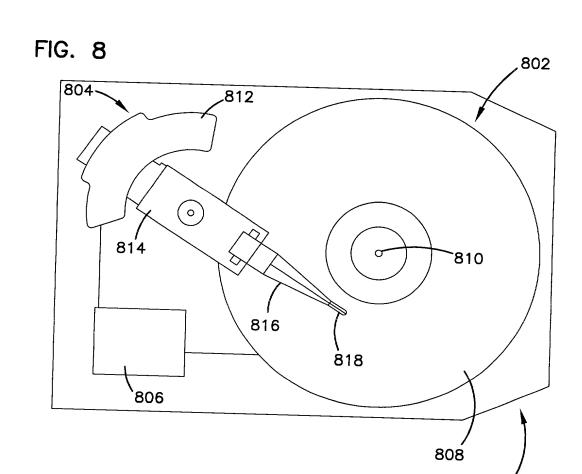
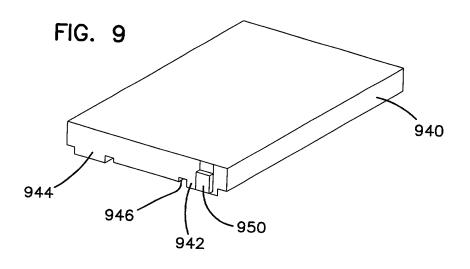


FIG. 7









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